

Design of a wing ...

S/879/62/000/000/031/038  
D234/D308

$$M_x = \sum_{v=0}^k m_v \rho^{v+v_0} \quad (4)$$

$\rho = z/$  ; then the determining equations are:

$$\frac{\partial V}{\partial a_{m\lambda}} + \eta_{\lambda} = 0, \quad \left( \begin{array}{l} m = 1, 2, \dots, n \\ \lambda = 1, 2, \dots, k \end{array} \right)$$

$$\sum_{i=1}^n a_{iv} = m_v, \quad (v = 1, 2, \dots, k)$$

Card 2/3

Design of a wing ...

S/879/62/000/000/081/088  
D234/D308

$$\frac{\partial V}{\partial M_m} + \eta_0 = 0, \quad (m = 1, 2, \dots, n)$$

$$\sum_{i=1}^n M_i^0 = M_x^0 \quad (8)$$

An example is given. There are 2 figures.

Card 3/3

FIGUROVSKIY YU.

181T96

USSR/Radio - Phonographs

Apr 51

"Radio-Phonograph With Push-Button Tuning," Yu.  
Figurovskiy, M. Fabrik

"Radio" No 4, pp 22-25

Model 1 has long- and medium-wave bands and 4-station push-button tuning. Also has one button for phonograph operation. Special feature is use of cathode detector, which increases selectivity as compared with grid detector with some sacrifice in gain.

Parameters of radio-phonograph are: Output power, 10 w; harmonic factor, 8%; frequency response, 50-6,000 cps; power drawn from line, 70 w; sensitivity, 100 mv; and selectivity for 25 kc detuning, 30 db.

181T96

FIGURSKI, Rubons; MICHALSKA, Zofia

Studies on vanillin in *Platanthera bifolia* (L.) Rich. Acta pol.  
pharm. 18 no.6:479-484 '61.

1. Zakladu Botaniki Farmaceutycznej Akademii Medycznej w Warszawie  
Kierownik: prof. dr H. Bukowiecki.  
(VANILLIN chem) (PLANTS MEDICINAL chem)

BUKOWIECKI, Henryk; FIGURSKI, Rubens

Sterol and saponin containing plants. *Farmacja Pol* 20 no. 8:  
277-285 25 Ap '64.

1. Institute of Pharmaceutical Botany, School of Medicine,  
Warsaw.

FIGURZYNSKI, Z.

Problems of high-speed circuit breakers in direct-current electric traction. p.339.  
(PRZEGLAD ELEKTROTECHNICZNY, Vol. 30, No. 8, Aug. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.  
1954, Uncl.

FIGURZYNSKI, Z.

Polish Technical Abstr.

No. 1 1954

Mechanics, Electrotechnics,  
Power

2592

Figurzynski Z. Transducers. Vol. 1.

"Przebiegielka". Tom 1. Warszawa, 1951, Wydawn. Komunik, 309  
pp., 203 figs., 19 tabs.

General theory of the rectification circuit, and an analysis of physical phenomena constituting the basis of the operation of electronic gas discharge tubes. This volume contains, moreover, a description of mercury-arc rectifier designs, ancillary equipment and test and acceptance methods for rectifier sets.

621.314.6

Amma  
8-26-54

2

1979

621.316.3.627.5.024

Figurzyński Z. Work and Test of 3-kV D. C. High-Speed Circuit-Breaker in Railway Practice Conditions.

"Praca i próby wyłączników szybkich 3-kilowatowych prądu stałego w warunkach eksploatacji kolejowej". Przegląd Elektrotechniczny. No. 11-12, 1953, pp. 467-483, 21 figs.

Leading characteristics are given of traction network and substation equipment protection by means of high-speed circuit-breakers. The author deals with the problem of determining the efficiency in service of high-speed circuit-breakers and necessary testing conditions at makers' works. He emphasises the importance of supplementing works' short circuit laboratory tests by trials to be carried out under operating conditions, describes how such trials can be performed and gives results obtained. Short-circuit test results carried out with such traction equipment in the Warsaw railway sector reveal the influence on the work of such circuit-breakers of the capacity installed, together with the parallel work of substations, and the influence of balancing equipment. Suggestions are advanced as to the essential conditions for the design of such circuit-breakers, the substation system and the methods for carrying out acceptance tests on 3-kV D. C. high-speed circuit-breakers.

*Brach*



~~FIGURZHINSKIY~~ ~~Sigismund~~ [Figurzynski, Zygmund], professor.

Electric traction on the railroads of the Polish People's  
Republic. Zhel. dor. transp. 39 no.5:70-75 My '57.

(Poland--Electric railroads)

(MLRA 10:6)

FIGURZYNSKI, Zygmunt, prof.

Changes in the structure of the traction networks as a  
consequence of the increased speed of trains. Przegl  
kolej elektrotech 10 [i.e.15]no.11:326-328 N°63.

FIGURZYNSKI, Zygmunt, prof.

"Current converter installations in electric power engineering"  
by H. Anschutz. Reviewed by Zygmunt Figurzynski. Przegl  
elektrotechn 39 no.7:275 J1 '63.

FIGURZYNSKI, Zygmunt, prof.

Structure changes of traction networks because of increased speed.  
Pt. 3. Przegl kolej elektrotech 11 no.1:12-14 Ja '64.

FIGUS, Albert, Dr.; IVANYI, Janos, Dr.

X-ray diagnosis of hemorrhages originating from the upper portion of the gastrointestinal tract. Orv. hetil. 100 no.10:356-359 8 Mar 59.

1. A Jaszberenyi Varosi Tanacs Korhaza (igazgato foorvos: Kardos Zoltan dr.) Rontgen-laboratoriumnak (foorvos: Figus Albert dr.) es Belosztalyanak (foorvos: Ivanyi Janos dr.) kozlemenye.

(GASTROINTESTINAL SYSTEM, hemorrh.

diag. of upper tract hemorrh. by x-ray (Hun))

FIGUS, Albert, dr.; IVANYI, Janos, dr.

Peptic ulcer in old age. Orv.hetil. 102 no.30:1412-1414 23 J1 '61.

1. Jaszberenyi Varosi Tanacs Korhaza, Rontgen laboratorium es  
Bekesmegyei Tanacs Korhaza II. sz. Belgyogyaszati osztaly.

(PEPTIC ULCER in old age)

The image shows a microfilm frame with a document page visible through the center. The document is titled "PROCESSES AND PROPERTIES INDEX". The main text discusses the possibilities of improving the quality of concrete, citing William Fickel, Shering, 26 (1) 6-10 (1944). It lists seven methods: (1) condensing the concrete by means of vibration and pressing under high pressure with simultaneous heating (Freysinet's method), (2) squirting the concrete by means of compressed air (torkret method), (3) condensing the concrete in its hardened state, (4) using vacuum concrete which has a strength 2 to 3 times greater, (5) using the centrifugal force resulting from rotation (for tubes, masts, etc.), (6) stamping the concrete, and (7) shaking & vibration to eliminate the surplus water. It then states that theoretically, it is possible to attain a maximum density of the concrete of 0.98, i.e., when the porosity is the lowest, 0.02%. It is therefore possible to improve the strength by reducing the coefficient of water surplus. Before 1906 Feret developed an equation for computing the strength of concrete approximately,  $\sigma = K \left( \frac{O_c}{1 - O_a} \right)^3$ , where  $O_c$  = the volume of the cement,  $O_a$  = the absolute volume of the admixtures contained in a unit of the volume of freshly made concrete, and  $K$  = a coefficient dependent on its age and the manner of storing. This coefficient amounts approximately to 2200. M. Roche, of the technical university of Zürich, has carried out about 10,000 tests to verify Feret's formula. 5 diagrams. R.H.

At the bottom of the document, there is a classification code: "ASB S.L.A. METALLURGICAL LITERATURE CLASSIFICATION". Below this, there are two rows of numbers: "1-10-80" and "1-10-80".

C

III

Grinding in cement works. V. Froyb. *Zprávy Československé akademie věd, 26 (1 2) 71 (1950)*. F. points out the importance of selecting the correct grinding technique in cement works. He describes the development of grinding equipment beginning with high-speed rotating mills, through low-speed rotating mills, up to circulation mills. Tube mills are surveyed from the viewpoint of practice (correct dimensions, correct feeding of the mill, specific operations), together with Lösch's mills and rotating mills. F. stresses the significance of the proportion of fine residue in relation to the consumption of electric energy and explains the part played by air-flow sorting machines and vibrating screens. He emphasizes the importance of using dispersive substances to economize in grinding. He then describes methods of determining the fineness of grinding and the specific surface of cement. He also describes recent efforts to attain very fine ground cements, accentuating especially the important part played in raising the quality index by the 0 to 5 $\mu$  grain size fractions of the cement. The correct grinding procedure for achieving better utilization of mills is shown. 9 figures.



BCS

*Cement & Concrete*

768. New cements and the possibility of their manufacture in Slovakia.—  
V. FICUS (Slovakia, 28, 1950). The cement industry in Slovakia during the last  
10 years has concentrated on the production of portland cement alone. This is very  
wasteful. Outside Slovakia various kinds of cements are produced and the stan-  
dards of the important producer countries are listed and discussed. The develop-  
ment of cements with low hydration temp. is one of the foremost aims and the  
Research Institute in Horná Srd is working out a method for producing such a  
cement on a bivalent basis. Another aim is the manufacture of trass cement  
(30% trass, 70% clinker) to make use of the local raw materials. It is also suggested  
that the addition of 10% trass to the ordinary portland cement should be allowed, as  
in the U.S.S.R. A chem. analysis of the Slovak trass, comparative tables of the  
most important properties of trass and ordinary portland cement, and comparisons  
of the concretes made from the two cements are given. The pozzolanas were also  
activated by Ferrari's and Vittori's method, i.e. they were heated at 600° C. for  
30 min. The activated trass cement was compared with portland cement. Amongst  
other things tested, the leaching resistance of the cements was compared and trass  
cement proved much superior. As suggested, 10% normal trass and activated trass  
were added to portland cement and no marked difference in properties was observed.  
The trass contained (%): SiO<sub>2</sub> 44.28; Al<sub>2</sub>O<sub>3</sub> 37.29; Fe<sub>2</sub>O<sub>3</sub> 21.00; CaO, 6.01.  
(11 tables.)

"Progress in the cement and lime industries in recent years." (To be contd.) p. 498. (Chemické Zvesti. Vol. 5, no. 8, Oct. 1951. Bratislava.)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June 1954.  
Uncl.

"Dr Mikulas Gregor's Prehľad sklarstva a keramiky v teorii a praxi (Survey of the Glass Industry and Ceramics in Theory and Practice); a book review."  
Chemicke Zvesti, Bratislava, Vol 7, No 9, Nov 1953, p. 598

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

FIGUS, V.

"Quality of domestic cement in the light of Soviet research." (p. 303). STAVIVO  
(Ministerstvo stavebnich hmot) Praha, Vol 31, No 11, Nov. 1953.

SO: East European Accessions List, Vol 3, No 8, Aug 1954

FIGUS, V.

"Testing cement and concrete with a view toward establishing a scale for comparing the strength of concrete with a standard mixture." Technicka Praca, Bratislava, Vol. 6, no. 1, Jan 1954, p. 29.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

"Cooperation of building and building materials industries as a basis for specialization and development of the production of cement materials."  
Stavivo, Praha, Vol 32, No 6, June 1954, p. 201

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

**"APPROVED FOR RELEASE: 06/13/2000**

**CIA-RDP86-00513R000413020002-9**

**APPROVED FOR RELEASE: 06/13/2000**

**CIA-RDP86-00513R000413020002-9"**

1170, 7.

Seckar, A. Bricks from Slovak rocks. p. 230.  
STAVIVO, Praha, Vol. 33, no. 7, July 1955.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.



FIGUS, V.

FIGUS, V. AArtificial hydraulic lime. p. 58

Vol. 34, no. 2, Feb. 1956

STAVIVO

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

FIGUS, V.

"Production of building materials in the USSR. (Conclusion)"

p. 185 (Stavba) Vol. 4, no. 6, June 1957  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

FIGUS, V.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and  
Their Application. Part 2. - Ceramics. Glass.  
Binders. Concretes. \* Binders, Concretes and  
Other Silicate Building Materials.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71589.

Author : Viliam Figus<sup>v</sup>.

Inst :

Title : Forward Look of Development of Light Building  
Material Production in Slovakia Based on Results  
of Their Study.

Orig Pub: Stavba, 1958, 5, No 2, 42-45.

Abstract: No abstract.

Card : 1/1

CZECHOSLOVAKIA / Chemical Technology. Chemical Prod- H-13d  
ucts and Their Application. Ceramics.  
Glass. Binding Materials. Concrete.  
- Binding Materials. Concrete and  
Other Silicate Building Materials.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78497.

Author : Figus, Villiam.

Inst : Not given.

Title : Concerning the Manufacture of Special Cements  
for Massive Constructions.

Orig Pub: Chem. zvesti, 1958, 12, No 4, 221-230.

Abstract: The author reports on the results of work carried  
out with a view to obtain a unicomponent cement  
which would liberate little heat, the volume of  
which would be constant, and which would be stable

Card 1/2

*FIGUS, V.*

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their Application, Part 2. - H  
Ceramics, Glass, Binders, Concretes. -  
Binders, Concretes and Other Building Materials.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61783.

Author : V. Figus.

Inst : Not given.

Title : New Light Building Materials Utilizing Light Ashes.

Orig Pub: Stavivo, 1958, 36, No 1, 10 - 13.

Abstract: Experiments of manufacturing light ash blocks and shaped products of the "Popolit" brand and their properties are described.

Card 1/1

FIGUS, V.

Kinds and technology of production of lightweight materials, regional distribution of their production, and the raw materials used in the production. p. 229.

STAVBA. (Poverenictvo stavobnictva) Bratislava, Czechoslovakia. Vol. 6, no. 8, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 10, Oct. 1959.  
Uncl.

FIGUS, V.

Organization of the development of the cement industry in our country. p. 269.

STAVBA. (Poverenictvo stavebnictva) Bratislava, Czechoslovakia, Vol. 6, No. 9, September 1959.

Monthly List of East European Accessions (EEAI) LC, VOL. 8, No. 11, November 1959.

Uncl.

FIGURE, V.

New building materials, a revolution in the building industry. n. 173

TECHNICKA PRACA. (Rada vedecnych technickych spolecnosti pri slovenskej akademii vied) Bratislava, Czechoslovakia, Vol. 11, no. 10, Oct. 1959

Monthly List of East European Accessions (EEAI), LC Vol. 9, no. 2,  
Feb. 1960

Uncl.



FIGUS, William, prof., inz., dr.

Commemorating the 50th birthday of Juraj Stork. Stav cas 11  
no.1/2:182-183 '63.

FIGUS, V., prof., inz. dr.

New trends in cement production. Stavivo 41 no.7:247-249 J1 '63.

1. Slovenska vysoka skola technicka, Bratislava.

FIGUS, Y., prof., inz.dr.

Evaluation of the durability of large elements from autoclaved porous concrete. Stavivo 41 no.8:302-305 Ag'63

1. Slovenska vysoka skola technicka, Bratislava.

FIGUS, Viliam

Automation efforts in the cement industry of Czechoslovakia.  
Epitoanyag 16 no.1:7-10 Ja'64.

1. Szlovak Muszaki Foiskola Epitesi Tagozata, Bratislava.

FIGUS, Viliam, prof.

"Cement as building material" by [prof. dr.] Hans Kuhl. Reviewed by  
Viliam Figus. Inz stavby 12 no.12:

FIGVER, Yu.Ya., Cand Tech Sci—(diss) "Study of the effect  
of acoustic conditions of <sup>room</sup> ~~the compartment~~ on the stereophonic  
reproduction of sound." Mos, 1958. 9 pp (Min of Culture USSR.  
All-Union Sci Res Motion Picture Photo Inst), (EL,25-58,115)

-123-

FIGWER, Jan, mgr.,inz.

Operation of the shaft generator on the motor ship "Mickiewicz". Bud okretowe Warszawa 7 no.2:51-53 '62.

1. Polskie Linie Oceaniczne, Gdynia

FIGWER, Jan, mgr. inż.

Problem of the strength of the propelling motor of generating sets of ships. Bud okretowe Warszawa 7 no.6:194-195 Je '62.

1. Polskie Linie Oceaniczne, Gdynia.



TERLECKI, Jozef, dr. inz.; FIGWER, Jan, mgr. inz.; GZOWSKI, Olgierd, dr.

A fire alarm system based on radioactive isotopes. Bud okretowe  
Warszawa 7 no.7:228-231 J1 '62.

1. Politechnika, Gdansk.

FIGWER, Jan, mgr inz.

Selection of the electric power system and network for ships  
with A.C. current. Bud okretowe Warszawa 9 no.1:23-26 Ja '64.

1. Katedra Elektrotechniki Morskiej, Politechnika, Gdansk.

FIDMAN, L.

"The Silver Chloride Cell." Revue de Mathematiques et de Physique, Vol. 2,  
1954

FILMAN, L.

Air Serving as a Melectric. Electrotehnica (Electrical Engineering),  
#4:135: Apr 55

PIRMAN, L.

PIRMAN, L. Some aspects of electric conductivity of liquid dielectrics. n.b89

Vol. 4, no. 11, Nov. 1956  
ELECTROTECNICA  
TECHNOLOGY  
Rumania

So: East European Accession, Vol. 6, No. 5, May 1957

FIHMAN, L.

"Modern piles with positive electrodes from manganese dioxide."

p. 113 (Electrotehnica) Vol. 5, no. 4, Apr. 1957  
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

COUNTRY : Rumania  
 CATEGORY : B-12  
 ABS. JCUR. : RZKhim., No. 21 1959, No. 74349  
 AUTHOR : Gheorghiu, T. D. and Fihman, L.  
 INST. : Rumanian Academy of Sciences  
 TITLE : The Application of Methods Used in the Study of Solid and Liquid Electrolytes to the Study of Semiconductors.  
 ORIG. PUB. : Comun Acad RPR, 8, No 11, 1155-1136 (1958)  
 ASSTRACI : Semiconductors and electrolytes exhibit a number of similar properties (absence of a linear relationship between current and potential, positive temperature coefficient of conductivity, etc). It is shown that methods used in the investigation of electrolytes can be used in the study of the properties of semiconductors immersed in an electrolyte or coated on electrodes.  
 R. Mocharnyuk

CARD: 1/1

FROLOV, Petr Terent'yevich, kand. tekhn. nauk, prof.; GINKEVICH, Petr Stepanovich, kand. tekhn. nauk, dots.; YEFIMOV, Sergey Grigor'yevich, kand. tekhn. nauk, dots.; BAUMAN, V.A., retsenzent; SHADRIN, I.A., prof., retsenzent; DUBINSKIY, P.F., doktor tekhn. nauk, prof., retsenzent; MONAKHOV, I.G., dots., retsenzent; FIITSUKOV, M.A., dots., retsenzent; CHERNYAKOV, L.M., dots., retsenzent; ANDREYEV, B.K., dots., retsenzent; SHADRINA, G.N., dots., retsenzent; VAYNSON, A.A., nauchnyy red.; SHAROVA, Ye.A., red. izd-v4; VORONINA, R.K., tekhn. red.

[Principles of the mechanization construction work] Osnovy mekhanizatsii stroitel'nykh rabot. Moskva, Vysshaia shkola, 1962. 299 p. (MIRA 16:4)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Bauman). 2. Kafedra stroitel'nogo proizvodstva Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Dubinskiy, Monakhv, Fiitsukov, Chernyakov, Andreyev, Shadrina). 3. Zaveduyushchiy kafedroy stroitel'nogo proizvodstva Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Shadrin).

(Construction equipment) (Automatic control)



YUMATOV, Boris Petrovich, doktor tekhn. nauk; FILIMONOV, N.A.,  
kand. tekhn. nauk, dots., retsenzent; KUDRYASHOV, V.A.,  
kand. tekhn. nauk, dots., retsenzent; RADCHENKO, L.M.,  
dots., kand. tekhn. nauk, retsenzent; FILIUS, A.I.,  
dots., kand. tekhn. nauk, retsenzent; KAZAKOV, V.N., gornyy  
inzh., retsenzent; ROSSMIT, A.M., otv. red.

[Mining machinery for working placer deposits] Gornye ma-  
shiny dlia razrabotki rossypei. Moskva, Nedra, 1964. 374 p.  
(MIRA 18:2)

1. Kafedra Irkutskogo politekhnicheskogo instituta (for  
Kudryashov, Radchenko, Filus, Kazakov).

FIJAL, A.; KAPERA, W.; GORNY, Z.

Determination of the proper pouring time for brass MO 60. p. 198.

Krakow. Instytut Odlewnictwa. PRACE. Warszawa, Poland.  
Vol. 7, no. 3/4, 1957. (published 1958).

Monthly list of East European Acquisitions Index, (EEAI), LC, Vol. 8, no. 6,  
June 1959.  
uncla.

FIJAL, Aleksander

Coke in the foundry industry. Koks 7 no.4: Suppl: Biuletyn koksownika  
no.3:33-44 J1-Ag '62.

1. Instytut Odlewictwa, Krakow.

FIJALEK, J.

Katalog planow miast w zbiorach Wojewodzkiego Archiwum Panstwowego w Lodzi.  
Wyd. 1.)

Warszawa

Budownictwo i Architektura, 1955, 59 p.

Monthly list of East European Accessions (EEAI). IC. Vol. 8, no. 7, <sup>July</sup> 1959.

Uncl.

FLORIAN, J.

Foreign photographers visiting Iceland. Foreign press 36 no. 4: 210-216  
1961.

PIJALKOWSKA, Anna (Warsaw)

Twentieth International Geographical Congress, London, July  
20-28, 1964. Nauka polska 13 no.1:122-130 Ju-F '65.

1. Geographical Institute of the Polish Academy of Sciences.  
Submitted November 1964.

PIGALKOWSKA, J.

"Regional Museums," p. 4 (TURYSTA. No. 11, Nov. 1954; Warszawa, Poland)

So: Monthly List of East European Accessions, (EAL), LC, Vol. 4,  
No. 4, April 1955, Uncl..

FIJALKOWSKA, Teresa; WOZNIAK, Franciszek

Tuberculosis of the stomach. Description of a single case.  
Ann. univ. Lublin sec. D 15.381-388 '60

1. Z Katedry i II Kliniki Chirurgicznej Wydziału Lekarskiego Akademii  
Medycznej w Lublinie Kierownik: prof. dr med. Feliks Skubiszewski  
i z Katedry i Zakładu Anatomii Patologicznej Wydziału Lekarskiego  
Akademii Medycznej w Lublinie Kierownik: prof. dr med. Stanisław  
Mahrburg.

(TUBERCULOSIS GASTROINTESTINAL case reports)



FIZAJ KOWSKI, Bogdan

More economical rectifier transformer connection systems and suppression of voltage increase during subcritical load of a rectifier. Przegl elektrotechn 32 no.12:466-472 D'63.

1. Katedra Elektrotechniki Gorniczej, Akademia Gorniczo-Hutnicza, Krakow.

FIJALKOWSKI, Bogdan

Automatic winder drive with mercury arc converter. Archiw gorn  
9 no.3:275-300 '64

SZKLARSKI, Ludger; PIJALKOWSKI, Bogdan; DEGERATU, Prof'r

Proportional speed control of a motor fed from a mercury arc  
of semiconductor converters. Przegl elektrotechn 41 no.2:  
62-64 F '65.

1. Department of Mining Electrical Engineering of the School  
of Mining and Metallurgy, Krakow.

FIJALKOWSKI, D.

Xerophytic plant communities of a steppe reservation planned near Czumow on the  
Bug River. p. 311.

(ANNALES. SECTIO C: BIOLOGIA. Vol 10, no. 1/15, 1955 (published 1957) Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9 Sept. 1957 Uncl.

Fijałkowski, D.; Izdebski, K.

The steppe plant associations of the Lublin Uplands. p. 167.

ANNALES. SECTIO B: GEOGRAPHIA, GEOLOGIA, MINERALOGIA ET PETROGRAPHIA. Lublin, Poland, Vol. 12, no. 1/6, 1957 (published 1959).

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.  
Uncla.

FIJALKOWSKI, D.

Projected steppe reservation in Katy near Zomesc.

p. 21 (Chronemy Przyrode Ojczysta. Vol. 13, no. 5, Sept./Oct. 1957. Krakow, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

FIJALKOWSKI, D.

Influence of some factors of habitat on the growth of trees in the forest reservation Bachus. p. 25

SYLWAN. (Wydział Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland (Journal on forestry issued by the Section of Agricultural and Forestry Sciences, Polish Academy of Sciences; and the Polish Society of Forestry; with English and Russian summaries. Includes supplements; Biuletyn Instytutu Badawczego Lesnictwa, bulletin of the Forest Research Institute; Biuletyn Instytutu Technologii Drewna, bulletin of the Institute of Wood Technology; Przegląd Dokumentacyjny Drzewnictwa, documentation of the Institute of Wood Technology; and Przegląd Dokumentacyjny Lesnictwa, documentation of the Forest Research Institute. Monthly)  
Vol. 101, no. 3, Mar. 1957

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959  
Uncl.

FLJALKOWSKI, D.

The second site of Carlina onopordifolia on the Lublin Uplands. p. 16

CHRONMY PRZYRODE OJCZYSTA (Panstwowa Rada Ochrony Przyrody) Krakow, Poland.  
Vol. 15, no. 2, Mar/Apr 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 9, September 1959.  
Uncl.



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AUTHOR: Fijałkowski, Jerzy

TITLE: Spark excitation of halogens

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TEXT: A spark discharge (УП-2 (IG-2) spark generator)<sup>10</sup> is used for exciting the stable atomic lines of halogens in the UV-region. The line intensity is little affected by reducing the generator voltage from 15 to 4 kv, whereas it is greatly affected by the power of the discharge current. The excited spectrum proves to be most sensitive to the inductance of the spark circuit. The introduction of a supplementary inductance of 0.01-0.05 mky reduces the intensity of the lines Cl III, Br III, Br IV, I III, and I IV. The lines of singly ionized atoms are less sensitive to the inductance. First of all, the halogen excitation in the spark was determined from the peak current and the discharge time; the total discharge energy is of less importance. Among the tested electrodes (Ag, Pb, Cd, Mg, Al, C, Cu, Bi,  
Card 1/2

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Sn) only Cu and Ag were gave spectra of sufficient intensity; with Al the spectra were considerably weaker and with the others no halogen lines were obtained at all. [Abstractor's note: Complete translation.]

sd  
Card 2/2

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